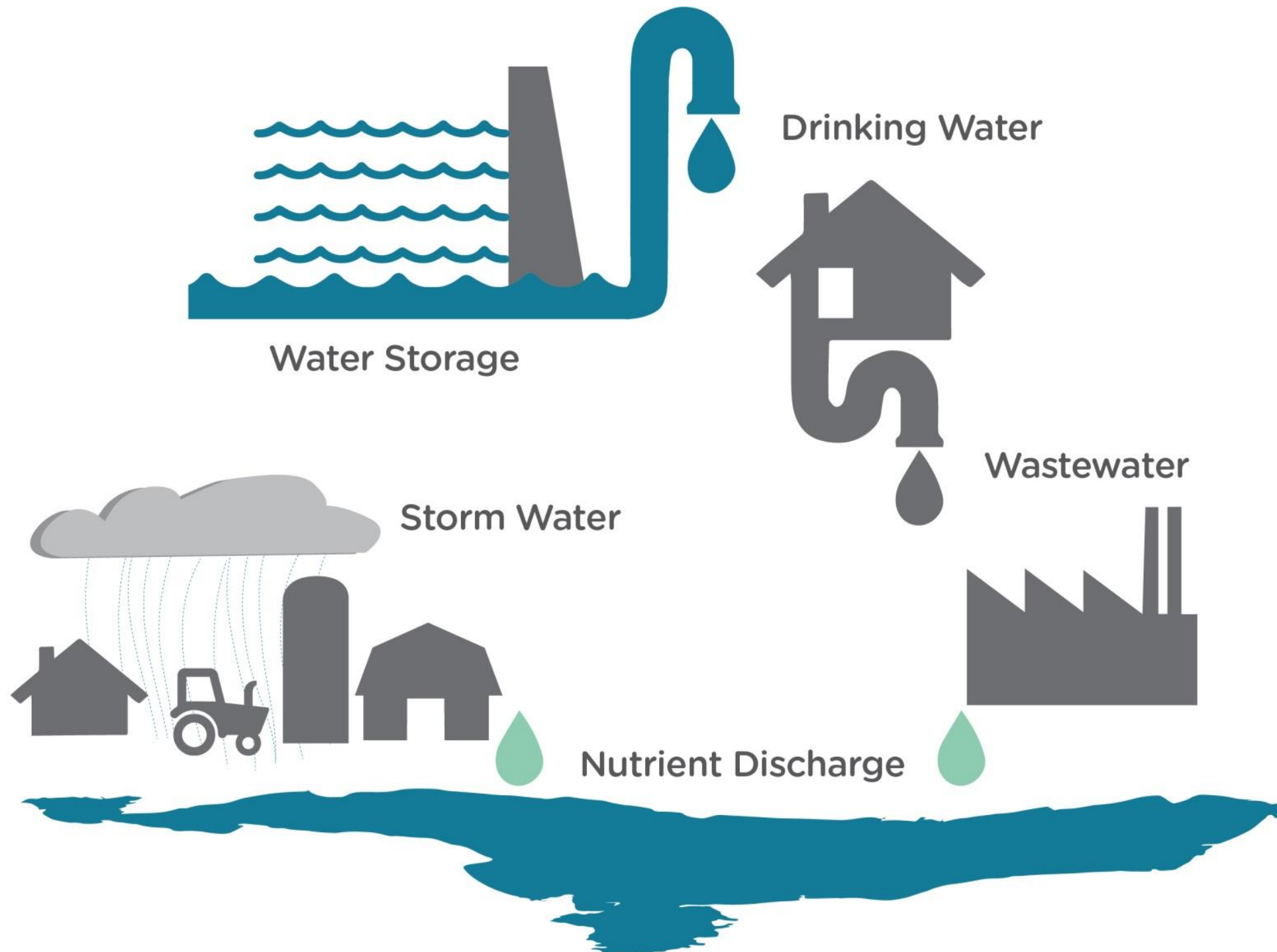


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*Erica Brown Gaddis, Division of Water Quality
Leland Myers, Wasatch Front Water Quality Council*



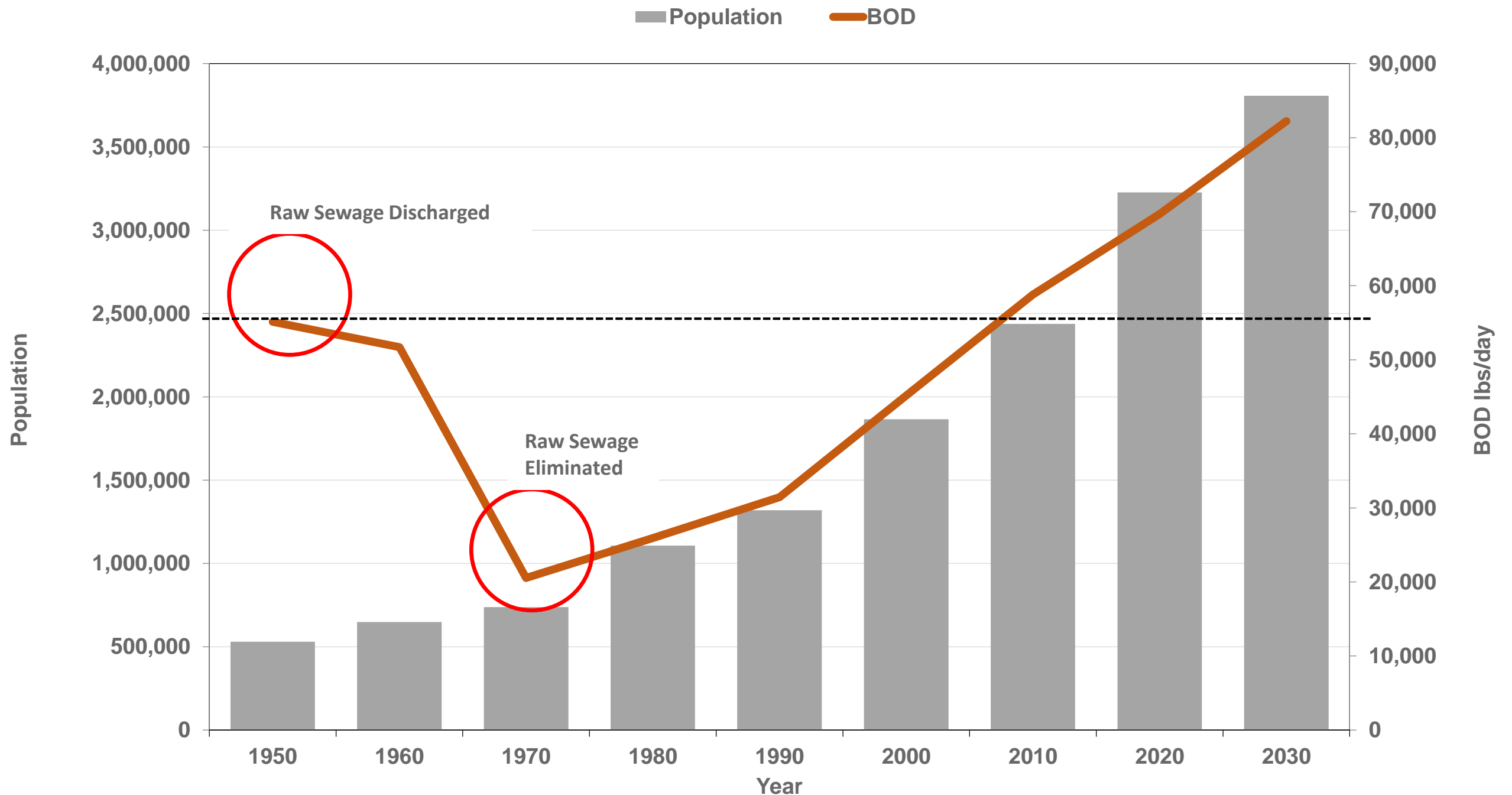
Water Infrastructure



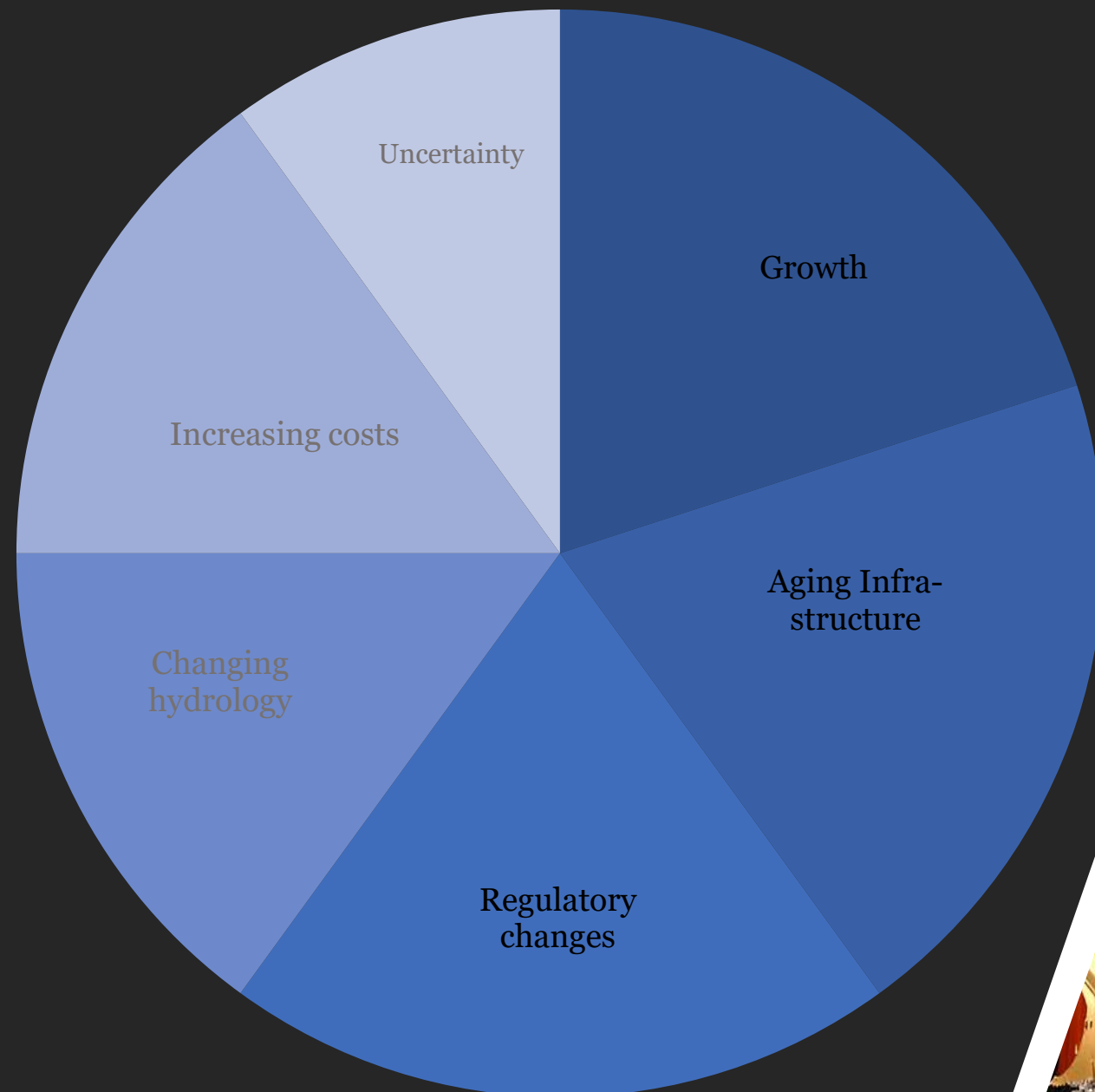
**The Center for Disease Control has stated that
“Community
wastewater
management and
adequate sewer
systems play important
roles in sanitation and
disease prevention.**



Population Growth and Pollutant Loads



High Level Estimate for Wastewater Treatment, Collection and Storm Water Systems - 40 Year Forecast



Critical Assumptions



- Only known regulatory changes will be implemented.
- New neighborhood sewer collection lines and storm water drains will be paid for by developers.
- Changes to low impact development storm water systems will only occur in new developments.
- Substantial changes to indoor water use will not occur.
- All costs and estimates are given in 2019 dollars.



Renewal and Replacement of Existing Facilities	\$5.3 Billion
New or Increased Regulatory Requirements	\$1.3 Billion
New Treatment to Serve Population Growth	\$2.1 Billion
40 Year Cost Demand	\$8.7 Billion

Mechanical Water Reclamation Costs



Lagoon Reclamation Costs

Renewal and Replacement of Existing Facilities	\$250 Million
New or Increased Regulatory Requirements	\$182 Million
40 Year Cost Demand	\$432 Million

Wastewater Collection Systems Costs

Renewal and Replacement
of Existing Facilities

\$2.9 Billion

Trunkline Expansion to
Support Population Growth

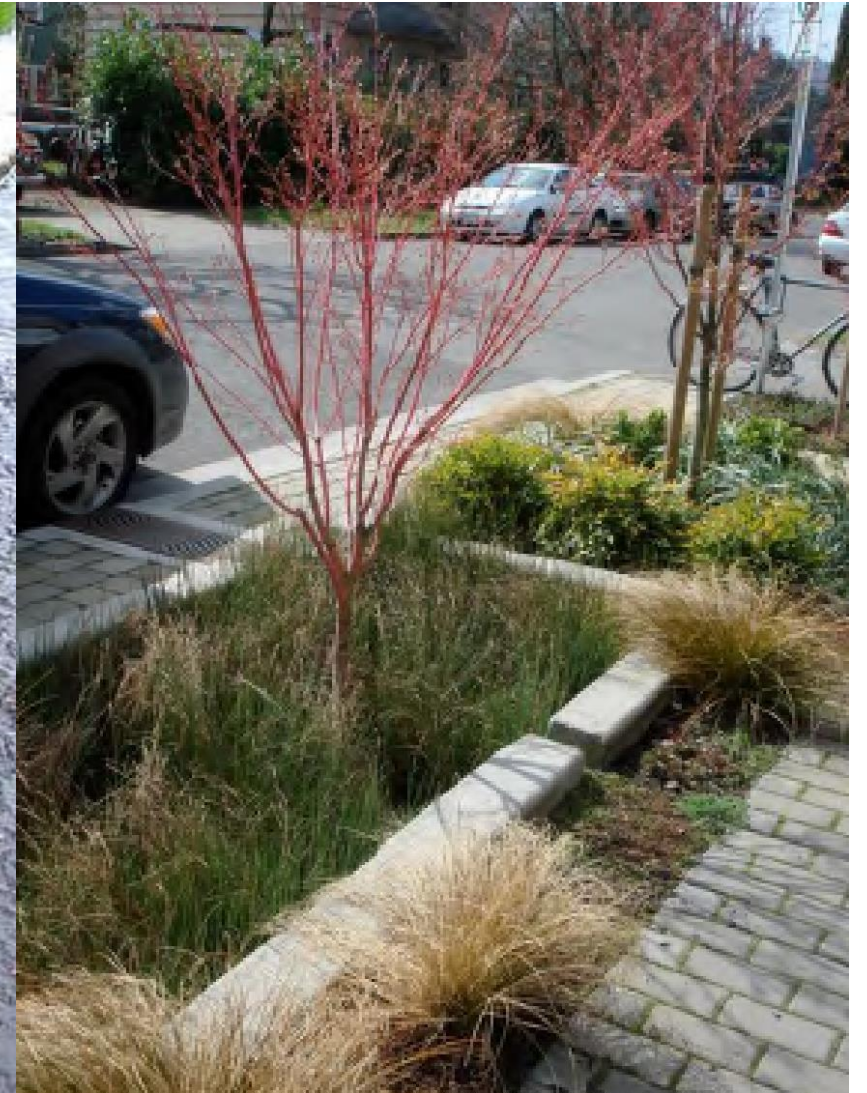
\$1.4 Billion

40 Year Cost Demand

\$4.3 Billion



Stormwater Systems Costs



Renewal and Replacement of Existing Facilities

\$0.9 Billion

New or Increased Regulatory Requirements

\$0.4 Billion

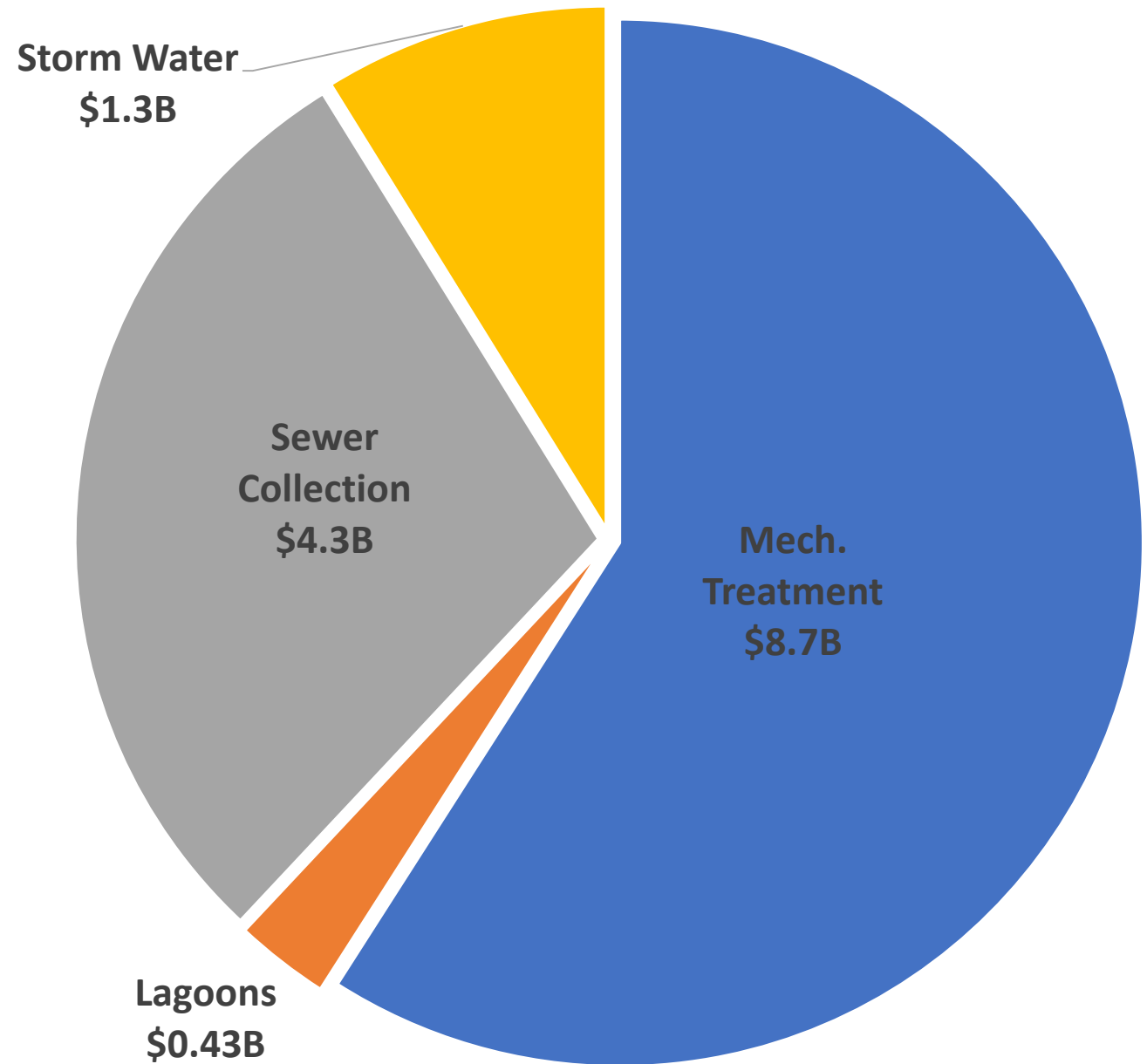
40 Year Cost Demand

\$1.3 Billion

Reclaim 60 Summary of Costs

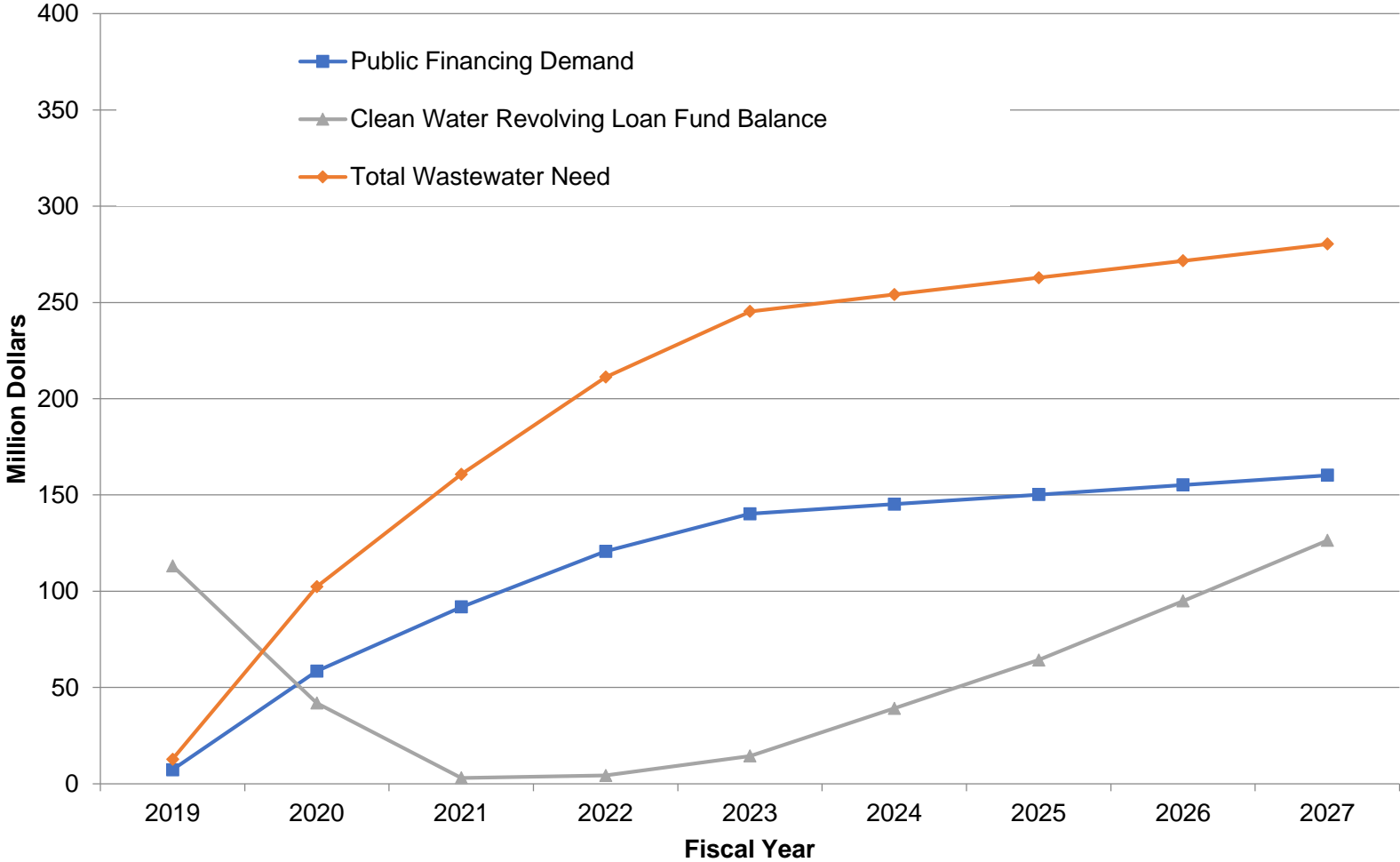
TOTAL: \$15 Billion

40 Year Water Quality Forecast



Clean Water State Revolving Fund

Projections



2025 Need: \$2.5 billion
2060 Need: \$15 billion

State Program
Annual sales tax: \$2 M
Proposed increase: ??

Federal Program
Annual grant: \$8.4 M
Proposed increase: 46%




Future Discussion

What is the appropriate level of public financing for wastewater and storm water infrastructure?

How do we maximize existing water infrastructure funds?

How will the state match potential increases in federal grants to maximize financing options?





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Utah Water Quality For The Next 40 Years

Utah's 40 Year Water Quality Cost Assessment

The CDC has stated that "Community wastewater management and adequate sewer systems play important roles in sanitation and disease prevention."

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**WATER
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